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Imagery analysis report

Iraq/Iran Military Summary

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IRAQ/IRAN MILITARY SUMMARY

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1. (S/D) This report updates the most recent¹ in a series of imagery-derived reports on the Iraq/Iran conflict and covers the period [] This report discusses deployed ground forces in the forward area, rear garrison units (Figure 1), airfields, naval bases, commercial shipping, POL facilities, as well as related activity in Saudi Arabia, Kuwait, and Jordan. Military unit designators and subordination (where used) are derived from collateral sources.² Acronyms and abbreviations are defined in a glossary at the end of the report. Additional reports will be issued as the situation changes.

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OVERVIEW

2. (S/D) No imagery of Iraq was acquired during this reporting period. Imagery of the forward areas of conflict on [] showed the Iranian forces still in control of Abadan and Dezful. Iraqi forces continued their advance on Abadan on []

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3. (S/D) Iranian forces in the Dezful area remained on the west bank of the Karkheh River between [] Iraqi force strengths/positions remained essentially unchanged between []

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4. (S/D) Eight Iranian rear area garrisons/facilities were imaged during the reporting period. Additional Iranian units departed from the installations in Qazvin and Tehran.

5. (S/D) Ten Iranian airfields were imaged. No new damage was observed at any of the airfields.

6. (S/D) Three Iranian naval facilities were covered.

7. (S/D) Four POL facilities in Iran were imaged. New damage was seen at one of the Iranian facilities.

8. (S/D) Related activity included probable Iraqi resupply activity through Tuwwal Port in Saudi Arabia, the presence of an Iraqi Osa II PTG at a port in Kuwait, and the presence of two Iraqi CANDID aircraft and two Iraqi 737s at an airfield in Jordan.

GROUND FORCE ACTIVITY**Iraq/Iran Forward Areas****Khorramshahr/Abadan Area**

9. (S/D) Iraqi forces were continuing their drive on Abadan and Khorramshahr on [] (Figure 2). Maneuver elements of an Iraqi tank brigade were east of the Karun River within 3 nm of Abadan on the north side. On the west bank of the Shatt Al Arab in Iraq, an Iraqi FA battery remained 4 nm southeast of Abadan. The area in which Iraqi forces were previously observed north of Khorramshahr was not imaged.

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10. (S/D) Although Iranian infantry is probably still in Abadan and in the southern part of Khorramshahr, the only Iranian units observed on [] included one FA battery 1 nm east northeast of Abadan and one tank platoon which remained just east of the Karun River in a residential area. Additionally, seven occupied Iranian ZU-23 AAA positions were deployed around the airfield at Abadan.

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Ahvaz Area

11. (S/D) No Iraqi or Iranian forces were observed in the area imaged 17.5 nm west of Ahvaz on []

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Dezful Area

12. (S/D) Elements of an Iraqi tank brigade and mechanized infantry brigade remained 13.5 nm west of Dezful on [] (Figure 3). Numerous destroyed vehicles were observed in this area between the Iraqi forces and the Iranian forces immediately west of the Karkheh River. Iranian forces remained west of the Karkheh River, 13.5 nm west of Dezful on [] The forces consisted of major elements of a tank battalion and a mechanized infantry company. Additional Iranian forces deployed west and southwest of Dezful consisted of four tank companies, one mechanized infantry company, a reconnaissance company, a reconnaissance platoon, four SP gun batteries, six FA batteries, and two AAA batteries. A probable command post (CP) consisting of numerous trucks and tents as well as numerous net and canvas-covered vehicles/equipment was set up in ravines immediately northwest of the city. Also a probable mobile air defense (AD) unit was observed just west of Dezful. An additional Iranian tank force of at least battalion size (possibly elements of a brigade), a mechanized infantry company and numerous support vehicles were positioned 10 nm north of Dezful. Previously, a tank platoon was observed in this area on partial coverage of [] and a force of unknown size and composition was subsequently observed in this area on [] West of this unit and approximately 13.5 nm northwest of Dezful a field logistics depot was identified on []

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13. (S/D) Equipment present in Dezful Barracks and Brigade Headquarters [] on [] appeared to be unchanged from []

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SECRET**Rear Areas****Iran**

14. (S/D) Elements of three Chieftain tank companies departed Qazvin Barracks Division and Brigade Headquarters [redacted], headquarters of the 16th Armored Division, between [redacted] Thirty-four tanks remained in garrison—18 in one tank battalion area, ten in the second battalion area, and six dispersed in the training area. The PMP company and Scorpion platoon observed here on [redacted] had also departed by [redacted] A 25-truck convoy (15 with dual-axle trailers) had been formed in the SP artillery vehicle park. All other ground order of battle remained unchanged. 25X1
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15. (S/D) Partially cloud-covered imagery of Tehran Barracks and Brigade Headquarters Lavizan (BE [redacted]) Three probable tanks, 11 BTR-60 APC, numerous trucks, six AB-214 helicopters, and two Jet Ranger helicopters were visible. One AB-214 helicopter had departed between [redacted] [redacted] 25X1
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16. (S/D) Three probable AB-214/AH-1 helicopter arrived at Tehran Army Barracks Jamishidabad (BE [redacted]) No further military activity was observed. 25X1
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17. (S/D) At Tehran Army Barracks and Military University Farahabad [redacted] one tank brigade, two 130mm M-46 field gun batteries, one M-115 howitzer battery, two 105mm howitzer battalions, two BTR-60-equipped mechanized infantry companies, one BTR-50-equipped mechanized infantry company, and a ZU-23 AA gun battalion remained out of garrison on [redacted] Equipment observed at this barracks included five Chieftain tanks; 23 BMP, four BTR-50, and two BTR-60 APC; two M-113 and six 130mm M-46 field guns; four 105mm howitzers; 51 tank transporters; and numerous vehicles/pieces of equipment. 25X1

18. (S/D) Increased helicopter activity was observed at Tehran Barracks and National Defense University Qasr-E Qajar [redacted] Seven AB-214/AH-1 helicopters were seen at this facility on [redacted] and six helicopters were seen on [redacted] Only two AB-214/AH-1 helicopters were seen here on previous coverage of [redacted] 25X1
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19. (S/D) Tehran Hawk Site Southeast [redacted] remained occupied and operational on [redacted] Four of the six launchers were loaded with missiles. Three probable missile loaders, one with one missile and two with three missiles, as well as 23 Hawk missile canisters were present in the missile-ready area. Four ZU-23 AA sites were positioned around the Hawk site. Forty-seven sedans were parked at the entrance to the site. 25X1
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20. (S/D) No further construction activity was observed at partially constructed Tehran Hawk Site 7 (BE [redacted]) 25X1

21. (S/D) Tehran Hawk Site 8 [redacted], just northwest of Tehran/Mehrad International Airfield, appeared to be operational on [redacted] Launcher pallets, probable empty launchers, various Hawk-associated radars, and numerous pieces of support equipment had been dispersed throughout the site. This dispersement of equipment may be an attempt to minimize losses from airstrikes. 25X1
25X1

AIR ACTIVITY**Iran**

22. (S/D) Ten Iranian airfields (Table 1 and Figure 4) were imaged between [redacted] One F-4 was observed at Vahdati AB Airfield on [redacted] This was the first identification of F-4 at Vahdati Airfield since hostilities began in late September. Prior to that time, from two to four F-4 had been seen here. 25X1
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23. (S/D) No significant new damage was observed at any of the airfields; however, the runways remain blocked at five of the airfields.

NAVAL ACTIVITY**Iran**

24. (S/D) Three PF-103 PF departed from Bandar-E Shahpur Port Facilities [redacted] [redacted] Vessels in port on [redacted] included two MSC-292, two Cape MSI, three medium bulk merchant ships, and two medium merchant ships (one of these, a Pula-class Soviet merchant ship, was present on [redacted] A mobile electronics site, consisting of one stick mast, one electronics van, and a probable generator, had been set up on the eastern side of the port facility since [redacted] One transit shed was heavily damaged and the roof of a second was slightly damaged between [redacted] 25X1
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25. (S/D) Three Wellington PACV and four Winchester PACV were at Khark Island Hovercraft Base [redacted] This number was a decrease of two Wellingtons and an increase of one Winchester since [redacted] The beach area—on the northern end of the island where two Wellington PACV and one Winchester PACV were observed on [redacted]—was not imaged. 25X1
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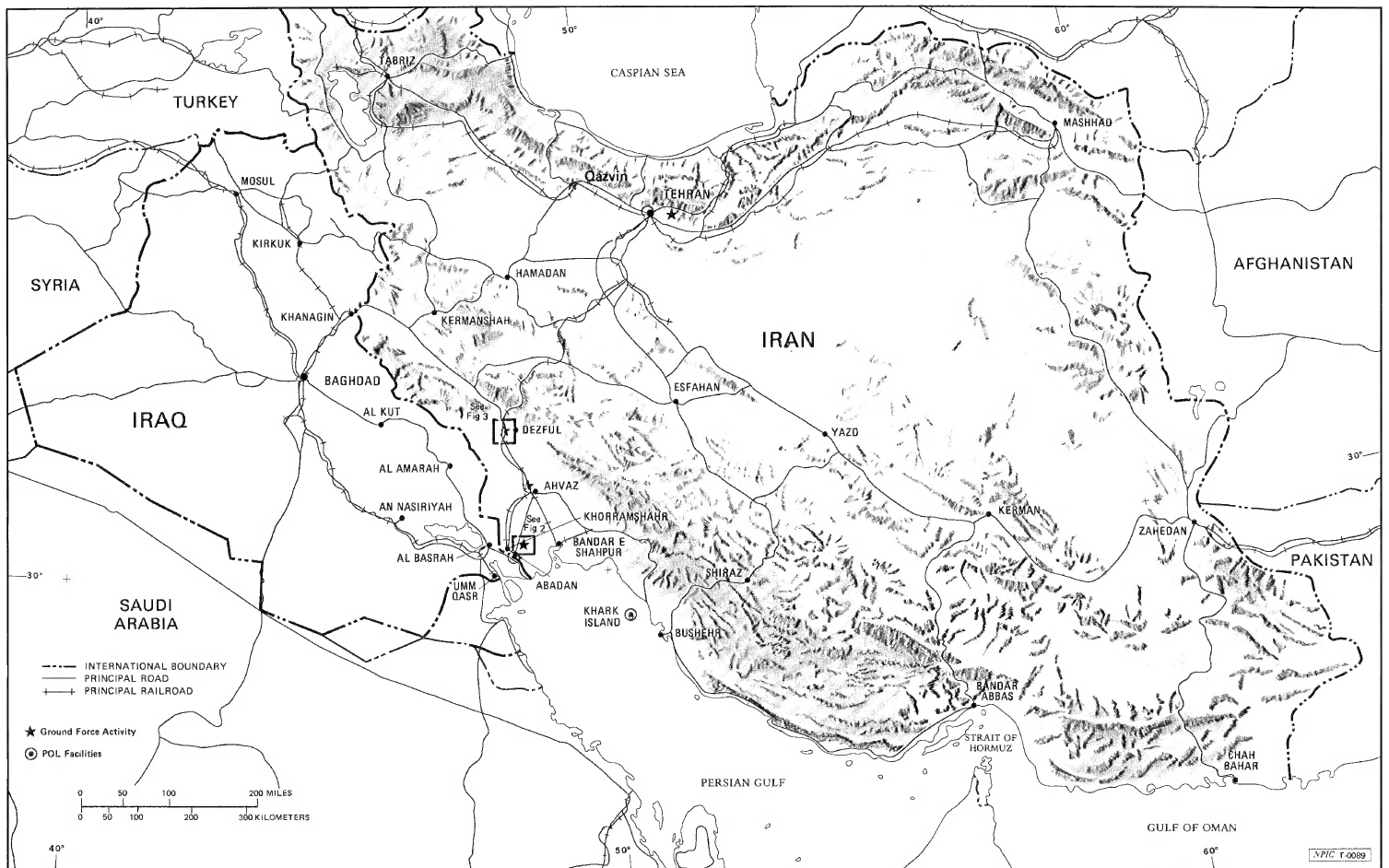


FIGURE 1. IRAQI/IRANIAN GROUND FORCES ACTIVITY AND POL FACILITIES

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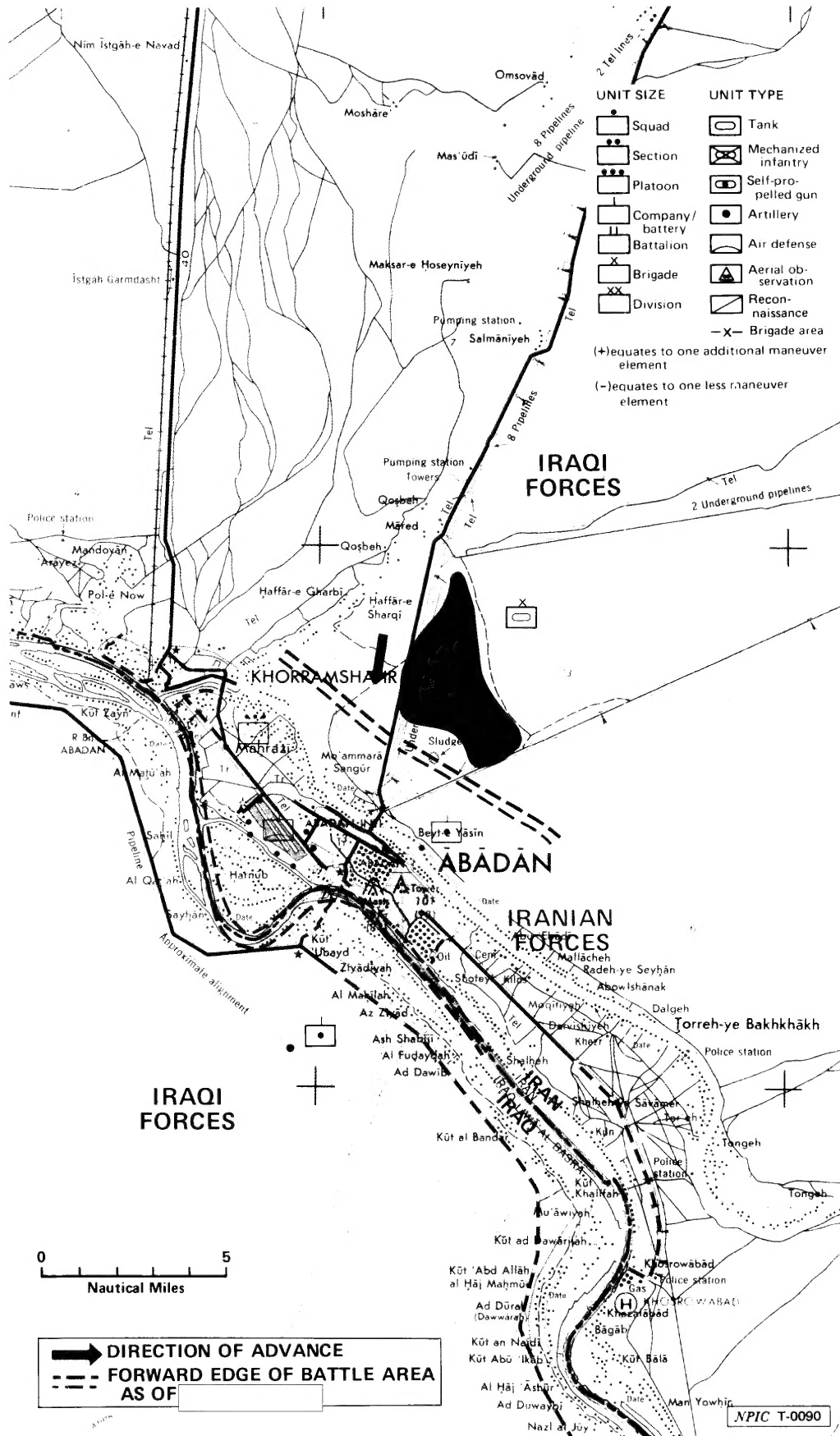


FIGURE 2. GROUND FORCES ACTIVITY, KHORRAMSHAHR/ABADAN AREA, IRAN, ON

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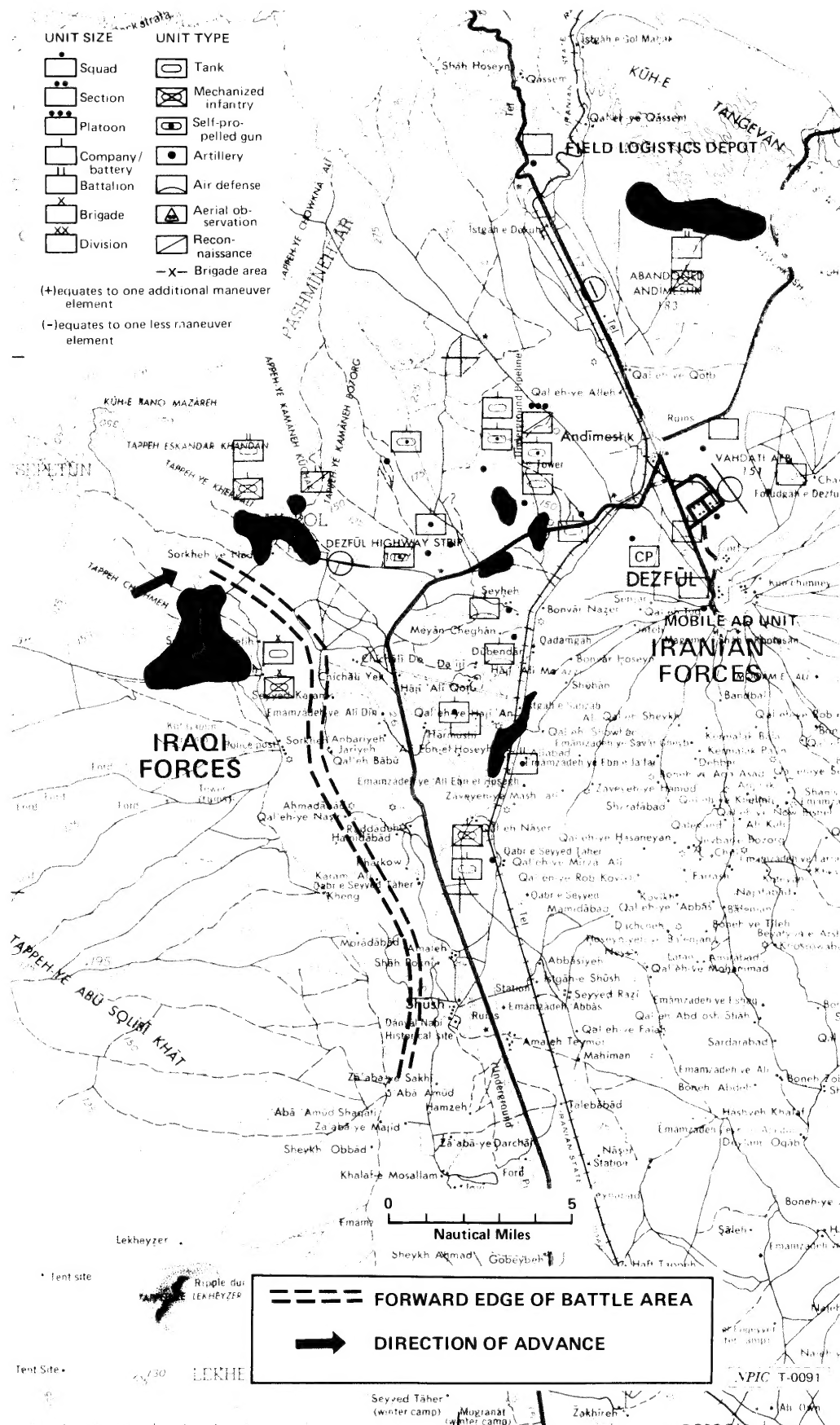


FIGURE 3. GROUND FORCES ACTIVITY, DEZFUL AREA, IRAN, ON

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26. (S/D) One PF-103 PF and one La Combattante-IIB PTG (Kamen) had arrived and one Bandar Abbas AORL had departed Bushehr Naval Base () Vessels in port on () included two PF-103 PF (one at the bunkering pier) six La Combattante-IIB (Kamen) PTG, eight MK-III PB, one PBR, and one probable LCU. 25X1
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COMMERCIAL SHIPPING**Shatt Al Arab**

27. (S/D) The Shatt Al Arab including Abadan Port Facilities, Iran () along the river from 30-20-25N 048-11-25E to 30-13-35N 048-22-25E, was imaged on () Twenty-two coastal/small freighters and two ARD-D were either at the port facility or in midriver. 25X1
25X1

28. (S/D) One coastal/small freighter was moored at the port facility. One transit shed had sustained additional battle damage which may have occurred as early as () 25X1

29. (S/D) Four coastal/small freighters were DIW 1 nm southeast of Abadan Port Facilities; two others were riding low in the water; and one was submerged with only the derricks extending above the water. This submerged vessel did not appear to be blocking the channel.

30. (S/D) One coastal/small freighter was DIW and partially submerged 1 nm northwest of Abadan Port Facilities. This vessel did not appear to be blocking the channel.

POL FACILITIES**Iran**

31. (S/D) Prior to the war, Abadan Petroleum Refinery NIOC () contained 241 POL storage tanks with a capacity of 16 million barrels. Twelve tanks, with a total capacity of 780,000 barrels, have been destroyed to date. In addition, three small special-purpose tanks and one vertical tank have been destroyed. Nineteen vertical tanks and segments of pipelines have been damaged. 25X1

32. (S/D) At Abadan Petroleum Product Storage and Pumping Station Transfer Iran 1 () Figure 5) there were 140 tanks with a storage capacity of 14,030,500 barrels prior to () Thirty-six tanks with a total capacity of 3,172,500 barrels have been destroyed to date (20 shown on graphics). Six tanks with a total capacity of 777,500 barrels and portions of pipelines in the facility have been damaged. It is possible that additional damage has been done at the facility and was obscured by smoke. 25X1
25X1

33. (S/D) Two major Iranian oil pipeline clusters had been severed near Abadan by () Some of the Abadan-to-Ahvaz pipelines were burning in one and probably two places (heavy smoke was emanating from an area just off of the imagery) and leaking oil in 20 other locations. The northernmost Abadan-to-Bandar-E Mashur pipeline had not been severed. However, since this pipeline is an eastern-running continuation of the Abadan-to-Ahvaz pipeline (which has been severed), this pipeline segment was probably out of operation. The southernmost Abadan-to-Bandar-E Mashur pipeline was burning in one place and leaking oil in six places. There does not appear to have been a systematic effort in severing the entire clusters of pipelines. 25X1

34. (S/D) No new damage was observed to Jazireh Ye Khark Petroleum Facilities () Before the hostilities began, this facility contained 45 POL storage tanks with a total capacity of approximately 26,024,000 barrels. To date, two tanks with a total capacity of 544,000 barrels have been destroyed and one 272,000-barrel capacity tank has been damaged. 25X1
25X1

35. (S/D) Coverage of Tehran Petroleum Storage NIOC () revealed no battle damage. 25X1

OTHER**Iran**

36. (S/D) The four guyed towers at Abadan Radio Relay Station () were destroyed between () (Figures 6 and 7). This radio station is immediately north of Abadan and adjacent to the Abadan-to-Ahvaz oil pipeline. An Iraqi Tank brigade has been in this area since () 25X1
25X1
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37. (S/D) One CH-47, two RH-53, and four AB-214 helicopters were at Bandar-E Khomeni Chemical Fertilizer Complex () No additional damage appears to have occurred at this facility since () (one spherical storage tank and at least seven buildings had previously sustained damage). 25X1
25X1

38. (S/D) Approximately 35 people were observed in front of and just north of the main entrance to the Consulate building at the American Consulate Tabriz () An additional three people were on the Consulate athletic field. 25X1

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Table 1.
Air Activity in Iran
(Items keyed to Figure 4)

This table in its entirety is classified SECRET/WNINTEL

Item	Installation/BE No	Date of Coverage	AOB Present	Operational Status/Remarks	
1	Vahdati AB Airfield [redacted]	[redacted]	1 F-4, 4 F-5, 1 CH-47, 7 AH-1/AB-214	Operational; no new damage; first identification of F-4 since hostilities began	25X1 25X1
2	Abadan International Airfield [redacted]		2 F-27 2 F-27	Operational; no new damage; both left and right runways remain blocked by vehicles/- equipment	25X1
3	Qazvin Airfield [redacted]		None	Operational; undamaged; run- way remains blocked by three vehicles	25X1
4	Manzariyeh Airfield [redacted]		None	Operational; undamaged	25X1
5	Tehran/Mehrabad International Airfield [redacted]		3 F-4, 1 747, 3 KC-747, 2 KC-707, 8 C-130	Operational; no new damage; partial coverage	25X1
6	Tehran/Ghale Morghi Airfield [redacted]		3 CH-47, 3 AH-1, 11 AH-1/AB-214, 21 small straight wing	Operational; undamaged; a probable Rapier site was present near the intersection of the two runways	25X1
7	Tehran/Doshan Tappeh Airfield [redacted]		6 F-27, 3 T-33	Operational; undamaged; graded-earth runway remains blocked by seven cargo trucks; two occupied ZU-23 AA posi- tions observed	25X1
8	Khark Island Airfield [redacted]		None observed	Operational; undamaged; run- way remains blocked by two buses	25X1
9	Bushehr Airfield [redacted]		None observed	Runway status could not be determined because of partial coverage	25X1
10	Chah Bahar AB Airfield [redacted]		None	Operational; undamaged; vehicles blocking 27R/09L on [redacted] have been removed and were adjacent to the runway; 27L/09R was blocked by one vehicle/piece of equipment; the C-130 present on [redacted] was no longer observed	25X1 25X1

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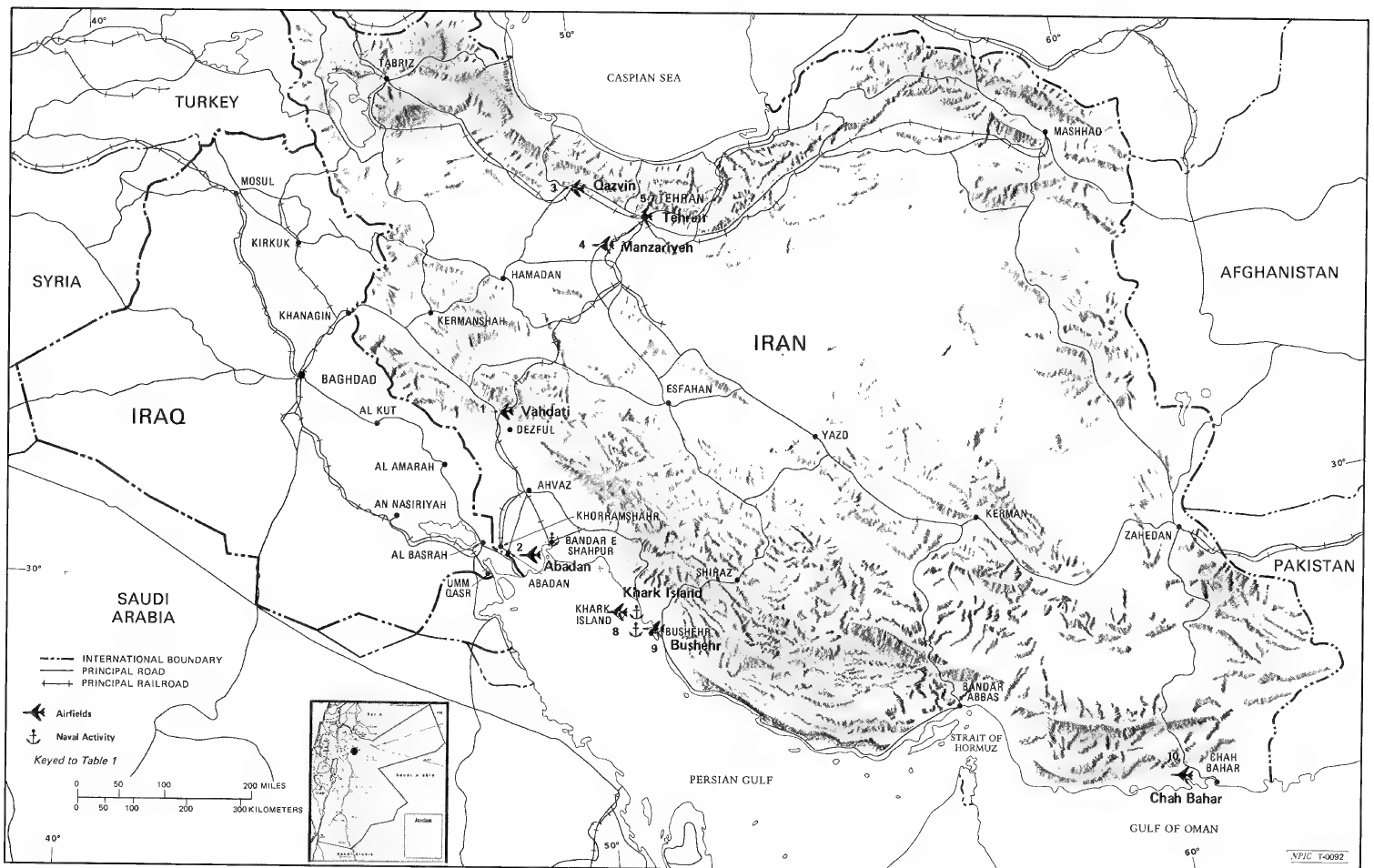


FIGURE 4. IRAQI/IRANIAN AIR AND NAVAL FACILITIES

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Saudi Arabia

39. (S/D) A possible free world roll-on/roll-off (ro/ro) merchant ship was observed in the Red Sea area at Tuwwal Port Facilities, Saudi Arabia [redacted] (Figure 8). This ship had recently offloaded 41 probable Czechoslovakian TATRA-148 cargo trucks and 234 probable TATRA-805 cargo trucks. Bulk cargo was being offloaded from a second merchant ship, and three additional TATRA-148 were involved in this offloading process. The final destination of these cargo trucks and cargo may be Iraq.

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Kuwait

40. (S/D) An Iraqi Osa II PTG was observed at Ras Al Jlayah Naval Base [redacted], Kuwait, on [redacted] (Figure 9).

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Jordan

41. (S/D) Two Iraqi CANDID aircraft (one military and one civilian) were observed at Shaheed Miwaffaq Airfield [redacted], Jordan, on [redacted]. Two Iraqi 737s were also present.

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**GLOSSARY OF
ACRONYMS AND ABBREVIATIONS**

This glossary in its entirety is UNCLASSIFIED

AA	Antiaircraft
AAA	Antiaircraft artillery
AD	Air defense
AORL	Small replenishment oiler
APB	Barracks ship
APC	Armored personnel carrier

SECRET**GLOSSARY (Continued)**

AR	Repair ship
ARD-D	Floating drydock
ARD-T	Auxiliary repair dock
AW	Air warning
AWK	Water carrier
AX	Training ship
CP	Command Post
DD	Destroyer
DDG	Guided missile destroyer
DIW	Dead in the water
FA	Field artillery
FFG	Guided missile frigate
LCM	Medium landing craft
LCU	Utility landing craft
LSM	Medium amphibious assault landing ship
LST	Amphibious vehicle landing ship
MRL	Multiple rocket launcher
MSC	Coastal minesweeper
MSF	Fleet minesweeper
MSI	Inshore minesweeper
NM	Nautical miles
PACV	Patrol air cushion vehicle
PB	Patrol boat
PBR	River/roadstead patrol boat
PCL	Small submarine chaser
PCS	Submarine chaser
PF	Patrol frigate
PGM	Motor gunboat
PMP	Heavy folding ponton bridge
POL	Petroleum, oil, and lubricant
PTG	Missile attack boat
RTP	Rail-to-road transfer point
RO/RO	Roll-on/roll-off
SAM	Surface-to-air missile
SP	Self-propelled
SPAA	Self-propelled antiaircraft
SPG	Self-propelled gun
SSM	Surface-to-surface missile
TEL	Transporter-erector-launcher
TMM	Truck-mounted bridge
VLCC	Very large crude carrier

REFERENCES**IMAGERY**

(S/D) All applicable satellite imagery acquired from [] was used in the preparation of this report. 25X1

MAPS OR CHARTS

DoD. Joint Operations Graphics, Various Sheets (UNCLASSIFIED, Distribution Restricted)

DOCUMENTS

1. NPIC. Z-20149/80, IAR-0281/80, *Iraq/Iran Military Summary, 17-20 October 1980 (S)*, Oct 80 (SECRET []) 25X1
[] 25X1

2. DIA. DDB-1100-IZ-80, *Ground Order of Battle: Iraq (U)*, Jan 80 (SECRET []) 25X1

DIA. DDB-1100-IR-78, *Ground Order of Battle: Iran (U)*, Aug 78 (SECRET []) 25X1
[] 25X1

(S) Comments and queries regarding this report are welcome. They may be directed to the South Asia/Arabia Branch, Third World Forces Division, Imagery Exploitation Group, NPIC, [] 25X1

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